

U.S. DEPARTMENT OF LABOR WORKPLACE STANDARDS ADMINISTRATION BUREAU OF LABOR STANDARDS

MATERIAL SAFETY DATA SHEET

FORM NO OSHA-20 (MODIFIED) MAY 1971

Sheet 1 of 2

BOE-C6-0189331

MDC CONTROL NO. 1956

SECTION I	: MATE	RILL AND MA	NUFACTURER IDENTIFICATION		
MANUFACTURER'S NAME			EMERGENCY TELEPHONE NO.		
CPR Division, The Upjohn Company (213) 32 ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)					
555 Alaska Avenue, Torrance,	Cali	fornia 90)503		3 6 31
CHEMICAL NAME AND SYNONYMS N-Ethyl Morpholine			Isonate® CPR 2033C Comp	-	
CHEMICAL FAMILY			FORMULA		
Tertiary amine			C ₆ H ₁₃ NO		
	SECTI	ON II: HAZARI	DOUS INGREDIENTS*		
PAINTS, PRESERVATIVES/SOLVENTS	%	TLV UNITS)	ALLOYS AND METALLIC COATINGS	%	ŢĻV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
N-Ethyl Morpholine	100	20			
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*					TLV (UNITS)
	2	ECTION III: PI	HYSICAL DATA	 	
	<u>_</u>	- 1	SPECIFIC GRAVITY (H ₂ 0 = 1)		
BOILING POINT (°F)		281			0.91
VAPOR PRESSURE (mm Hg.) at 77°F.		5	PERCENT VOLATILE BY VOLUME (%) 100		
VAPOR DENSITY (AIR = 1)		4	Butyl Acetate 1) 0.65		0.65
SOLUBILITY IN WATER		100%			
APPEARANCE AND ODOR Colorless liqui	d. 1	Anımonia	cal odor		
SECT	ION IV	: FIRE AND EX	XPLOSION HAZARO DATA	-	
FLASH POINT (METHOD USED)		a la	FLAMMABLE LIMITS Lel		Uel
96°F. Tag open cup			1.0		9.8
EXTINGUISHING MEDIA				: -	
Water, foam, CC	0_2 , d	ry chemi	cal	·	·
stral fire fighting procedures addition of water will reduce by	- irnin	g rate.	Vapors irritating to eyes, nose and	thro	at.
Firefighters should wear self-c	onta	ined brea	thing apparatus.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Thermal decomposition may pro-	oduc	e nitroge	n oxides and traces of HCN.		

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.

USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

DATE

PREPARED BY

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